TORO Count on it.

690 Series
Sprinklers

SPRINKLERS

26.5–32.9m (87'–108') Radius

Features

- Two standard pressure-regulation settings available to ensure consistently accurate nozzle performance, regarless of elevation:
  - 5.5 Bar and 6.9 Bar (80 psi and 100 psi) (electric)
- Three body styles/activation types available to fit every application:
  - Electric Valve-In-Head
  - Normally Open Hydraulic Valve-In-Head
  - Check-O-Matic
- Manual control at the sprinkler, On-Off-Auto (electric)
- Bowl-vented discharge (atmospheric) minimizes the differential pressure required for regulation and ensures positive valve closure (electric)
- Time-proven, gear-drive design
- All internal components serviceable from the top of the sprinkler
- Large selection of nozzles available
- Durable engineering plastic and stainless steel construction

Specifications

- Radius: 26.5–32.9m (87'–108')
- Flow rate: 193–311 LPM (51.0–82.2 GPM)
- 40mm (1½") NPT female-threaded inlet
- 9 arc selections:
  - 90˚, 150˚, 165˚, 180˚, 195˚, 210˚, 360˚ fixed arcs
  - 60˚/120˚ full-circle, two-speed
  - 180˚/180˚ full-circle, two-speed (Two speed models run half speed in non-overlap areas to provide balanced water application)
- Rubber cover kit option: Part No. 690-01
- Dimensions:
  - Height: 405mm (16")

690 Series Performance Chart—Metric

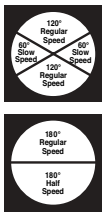
Base Pressure			Nozzle Set 90		Nozzle Set 91		Nozzle Set 92	
Bar	kPa	Kg/cm²	Rad.	LPM	Rad.	LPM	Rad.	LPM
5,5	550	5,61	26,5	193	29,3	232	30,5	280
6,9	690	7,04	27,4	216	30,5	278	32,9	311

Radius shown in meters. Sprinkler radius of throw per ASAE standard S398.1

690 Series Performance Chart—U.S.

Base Pressure	Nozzle Set 90		Nozzle Set 91		Nozzle Set 92	
psi	Rad.	GPM	Rad.	GPM	Rad.	GPM
80	87	51.0	96	61.2	100	74.0
100	90	57.1	100	73.5	108	82.2

Radius shown in feet. Sprinkler radius of throw per ASAE standard S398.1



Two-speed designs offer an economical alternative in non-overlapping areas while providing balanced water application.

Attention: 600 & 700 Users

800S Conversion Assemblies

- Lower cost
- Higher pop-up
- Easier to adjust arc
- Easier to service

Quickly upgrades existing Toro sprinklers to the latest technology to provide all the features of the 800S Series sprinkler.

Ordering Information

69X 0X XX X

Arc		*Valve Type*	*Nozzle*	*Pressure Regulation**
1—90˚	A—150˚	1—Normally Open Hydraulic	90	8—5.5 Bar (80 psi)
2—180˚	B—165˚	2—Check-O-Matic	91	1—6.9 Bar (100 psi)
4—Full-circle	C—195˚	6—Electric	92	
6—Full-circle, 2-speed (60˚-120˚)	D—210˚			
8—Full-circle, 2-speed (180˚-180˚)				

For Example:
When specifying a 690 Series Sprinkler with a 180˚ arc, an electric valve-in-head, #91 nozzle and pressure regulation at 5.5 Bar (80 psi), you would order:

692-06-918

**Electric models only.*

TORO. Count on it.

670 Series
Sprinklers

SPRINKLERS

23.8–31m (78'–102') Radius

Features

- Three standard pressure regulation settings available to ensure consistently accurate nozzle performance:
  - 4.5, 5.5 and 6.9 Bar (65, 80 and 100 psi) (electric)
- Three body styles/activation types available to fit every application:
  - Electric Valve-In-Head
  - Normally Open Hydraulic Valve-In-Head
  - Check-O-Matic
- Manual control at the sprinkler, On-Off-Auto (electric)
- Time-proven, planetary gear-drive design
- All internal components serviceable from the top of the sprinkler
- Large selection of nozzles available

Specifications

- Radius: 23.8–31m (78'–102')
- Flow rate: 140–253 LPM (36.9–66.8 GPM)
- 40mm (1½") NPT female-threaded inlet, BSP threads available
- Full-circle
- Rubber cover kit option: Part No. 670-00 (flat flange), Part No. 670-01 (round flange)
- Dimensions:
  - Height: 280mm (11")

670 Series Performance Chart—Metric

Base Pressure			Nozzle Set 70		Nozzle Set 71		Nozzle Set 72		Nozzle Set 73		Nozzle Set 74	
Bar	kPa	Kg/cm²	Rad.	LPM	Rad.	LPM	Rad.	LPM	Rad.	LPM	Rad.	LPM
4,5	450	4,59	23,8	140	24,4	156	25,3	175	25,6	193	26,2	218
5,5	550	5,61	25,6	156	26,2	173	27,1	193	28,0	209	28,7	226
6,5	650	6,63	26,5	170	27,0	188	28,6	210	29,5	231	30,4	245

Radius shown in meters. Shaded areas represent nozzles not recommended at this pressure. Sprinkler radius of throw per ASAE standard S398.1

670 Series Performance Chart—U.S.

Base Pressure	Nozzle Set 70		Nozzle Set 71		Nozzle Set 72		Nozzle Set 73		Nozzle Set 74	
psi	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM	Rad.	GPM
65	78	36.9	80	41.1	83	46.3	84	51.0	86	57.5
80	84	41.2	86	45.6	89	51.0	92	55.3	94	59.6
100	88	46.2	90	51.2	95	57.3	98	62.8	102	66.8

Radius shown in feet. Shaded areas represent nozzles not recommended at this pressure. Sprinkler radius of throw per ASAE standard S398.1

Model 674

Ordering Information

674 [X] [X] [XX] [X]

Arc	*Body Thread*	*Valve Type*	*Nozzle*	*Pressure Regulation**
674—Full-circle	0—NPT 5—BSP	1—Normally Open Hydraulic 2—Check-O-Matic 6—Electric	70 73 71 74 72	6—4.5 Bar (65 psi) 8—5.5 Bar (80 psi) 1—6.9 Bar (100 psi)

For Example:
When specifying a 670 Series Sprinkler with a full-circle, NPT threads, #72 nozzle, an electric valve and pressure regulation at 5.5 Bar (80 psi), you would order:

674-06-728

**Electric models only.*

Note: Decoder solenoids are not available on all model configurations. Please consult the current price list or your local Toro Manager for availability. Note: Products may not be available in all regions. Please consult your Toro regional manager for availability.

TORO. Count on it.

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GB Form Number: 200-xxxx
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